ABSTRACT

PYRROLIDINYL, PIPERIDINYL OR HOMOPIPERIDINYL SUBSTITUTED (BENZODIOXAN, BENZOFURAN OR BENZOPYRAN) DERIVATIVES

The present invention concerns compounds of formula (I)

$$R^{2} \xrightarrow{\mathbb{R}^{1}} Z^{1} \longrightarrow A \mathbb{R} \longrightarrow A^{5}$$
 (I),

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5

a stereochemically isomeric form thereof, an N-oxide form thereof or a pharmaceutically acceptable acid addition salt thereof, wherein $-Z^1$ - Z^2 - is a bivalent radical; \mathbb{R}^1 , \mathbb{R}^2 and \mathbb{R}^3 are each independently selected from hydrogen, C_{1-6} alkyl, hydroxy, halo and the like; or when \mathbb{R}^1 and \mathbb{R}^2 are on adjacent carbon atoms, \mathbb{R}^1 and \mathbb{R}^2 taken together may form a bivalent radical of formula; Alk is optionally substituted C_{1-6} alkanediyl; the bivalent radical A is a substituted piperidinyl, an optionally substituted pyrrolidinyl, homopiperidinyl, piperazinyl or tropyl; \mathbb{R}^5 is a radical of formula

X

(c-1)

R' N R'

S N R⁷

(CH₂)_p1 (CH₂)_p2 N N-R Q (c-5)

20

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wherein n is 1 or 2; p^1 is 0, and p^2 is 1 or 2; or p^1 is 1 or 2, and p^2 is 0; X is oxygen, sulfur or =NR⁹; Y is oxygen or sulfur; R⁷ is hydrogen, C_{1-6} alkyl, C_{3-6} cycloalkyl, phenyl or phenylmethyl; R⁸ is C_{1-6} alkyl, C_{3-6} cycloalkyl phenyl or phenylmethyl; R⁹ is cyano, C_{1-6} alkyl, C_{3-6} cyclo-alkyl, C_{1-6} alkyl, cycarbonyl or aminocarbonyl; R¹⁰ is hydrogen or C_{1-6} alkyl; and Q is a bivalent radical. Processes for preparing said products, formulations comprising said products and their use as a medicine are disclosed, in particular for treating conditions which are related to impaired fundic relaxation.